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APPLICANT(S) Sternberg and Barr
TITLE POLYCYSTIC KIDNEY DISEASE GENE HOMO[illegible]
REQUIRED FOR MALE MATING BEHAVIOR I[illegible]
NEMATODES AND ASSAYS BASED THEREON
Application No 09/655,160 Filing Date September 5, 2000
Docket No CIT1520-2

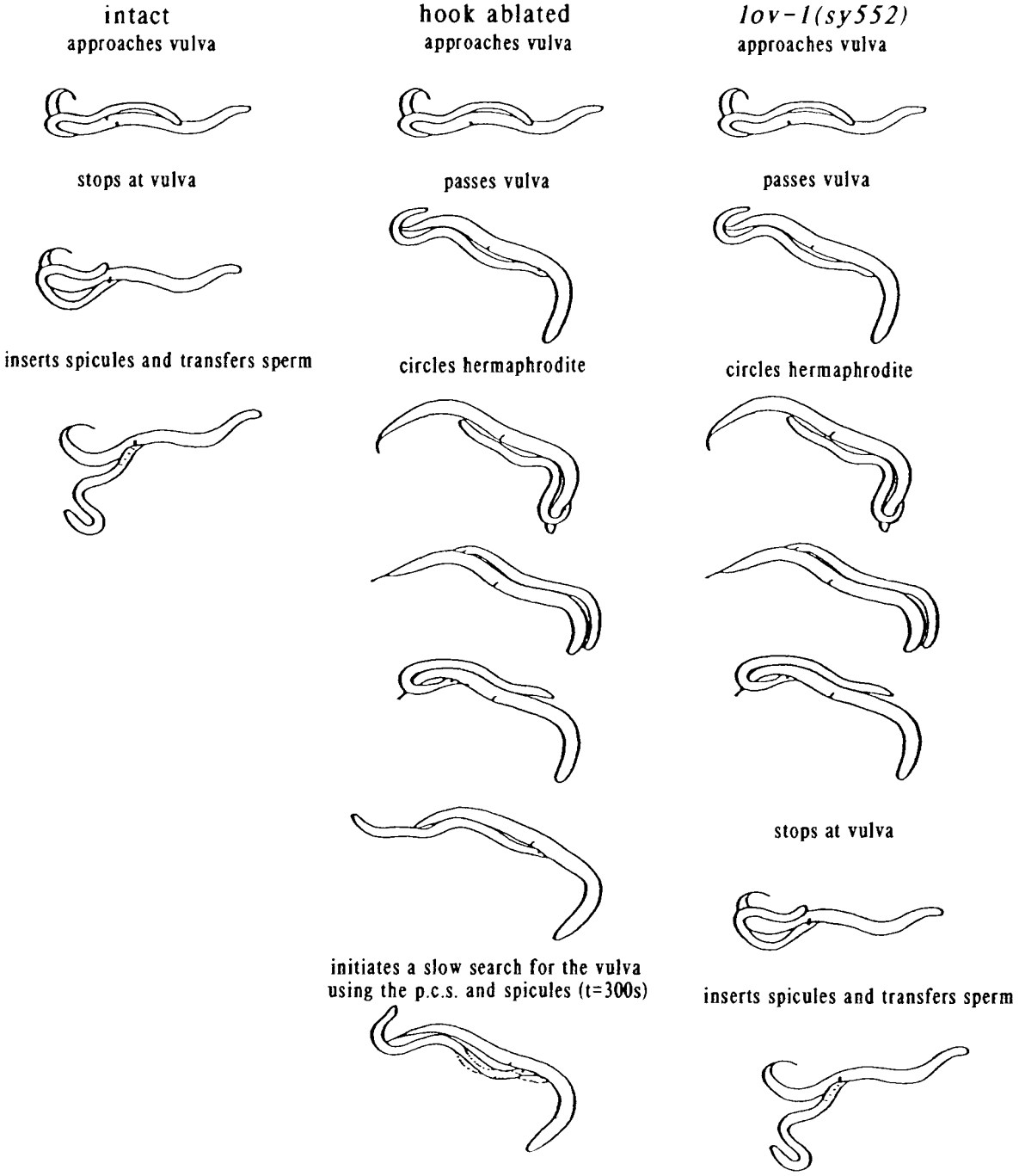

FIG. 1

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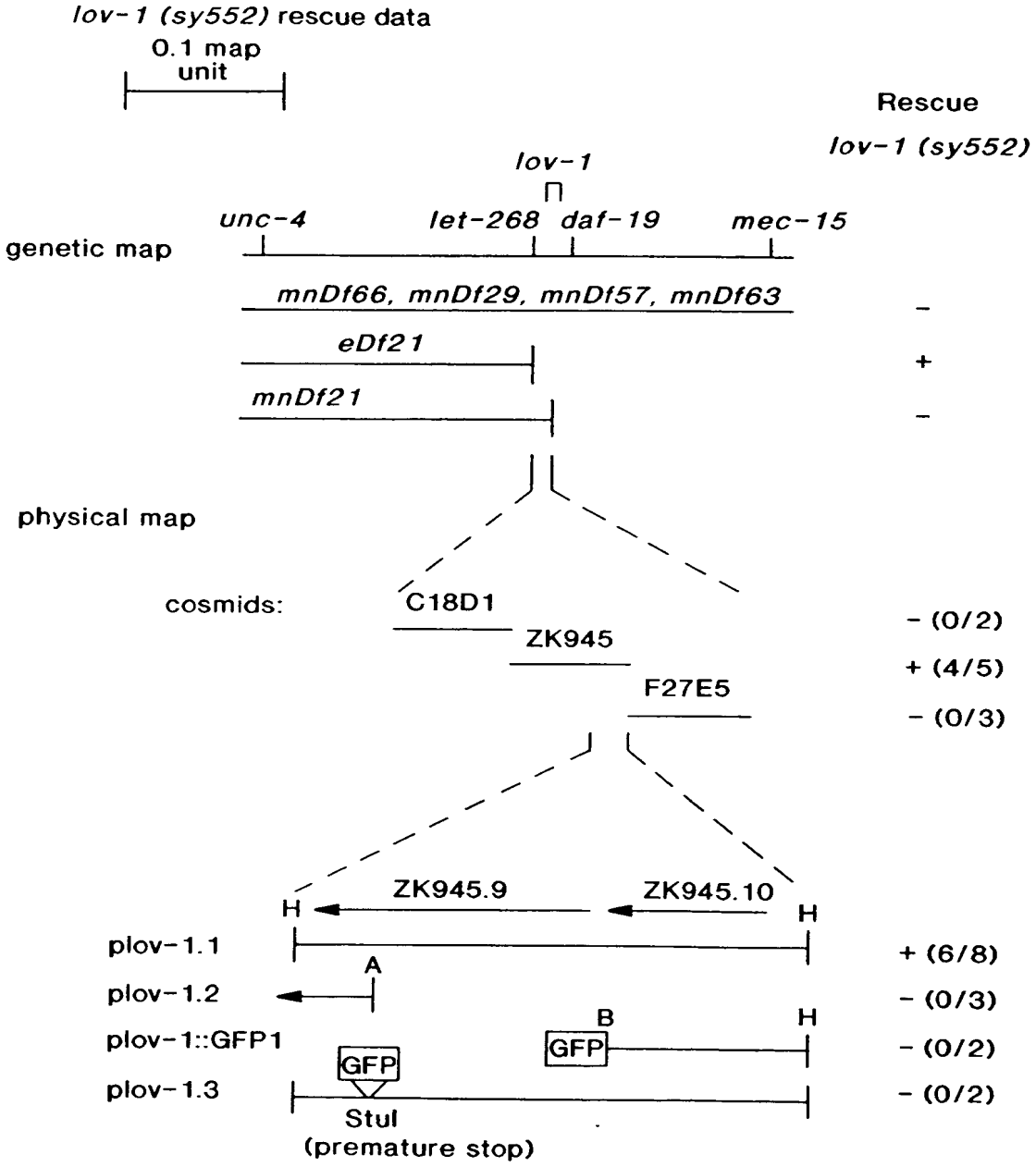

FIG. 2A

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lov-1 gene structure: 16.7 kb rescuing clone

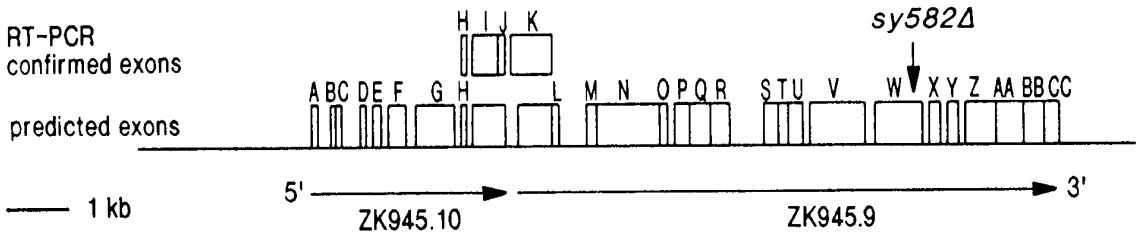

FIG. 2B

Schematic of GFP fusion constructs and expression data

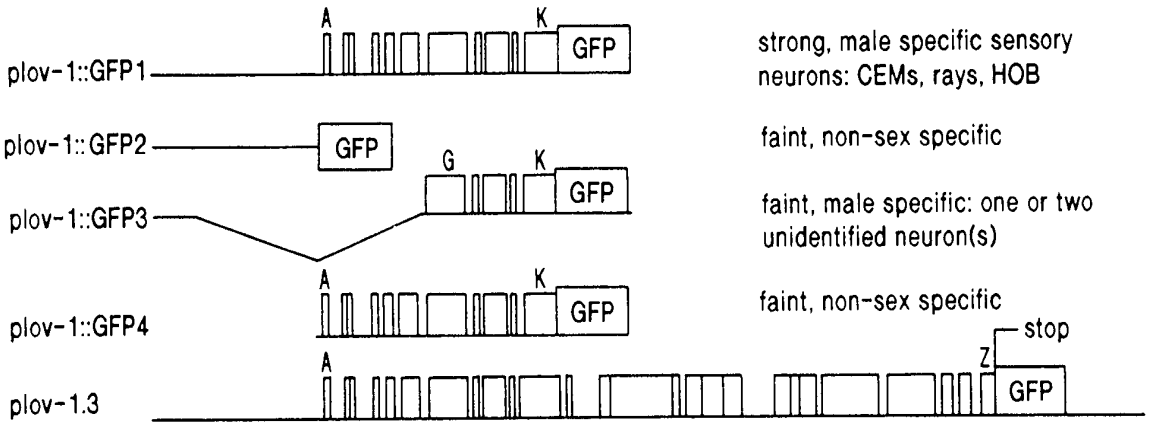

FIG. 2C

APPLICANT(S) Sternberg and Barr
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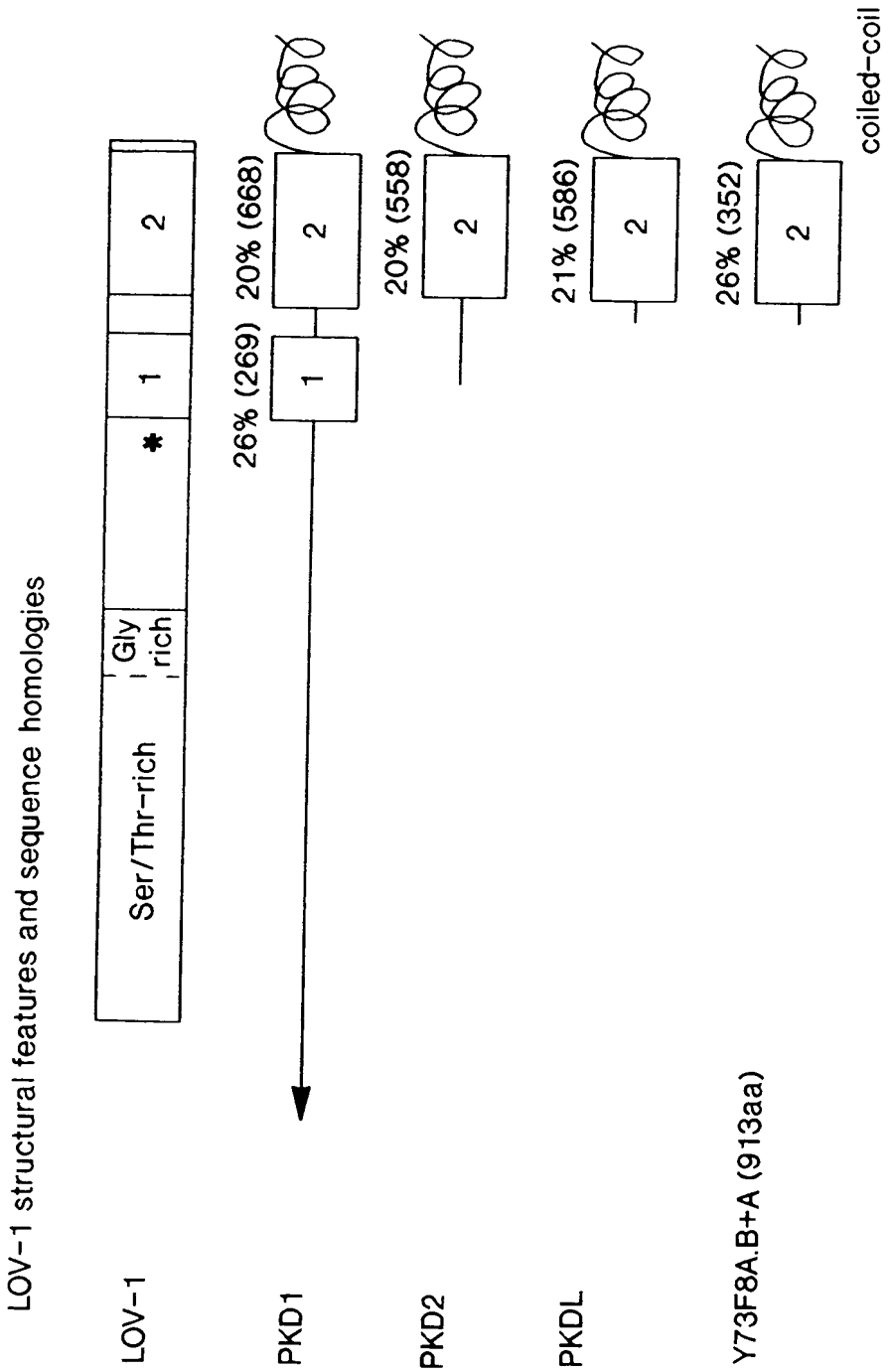

FIG. 2D

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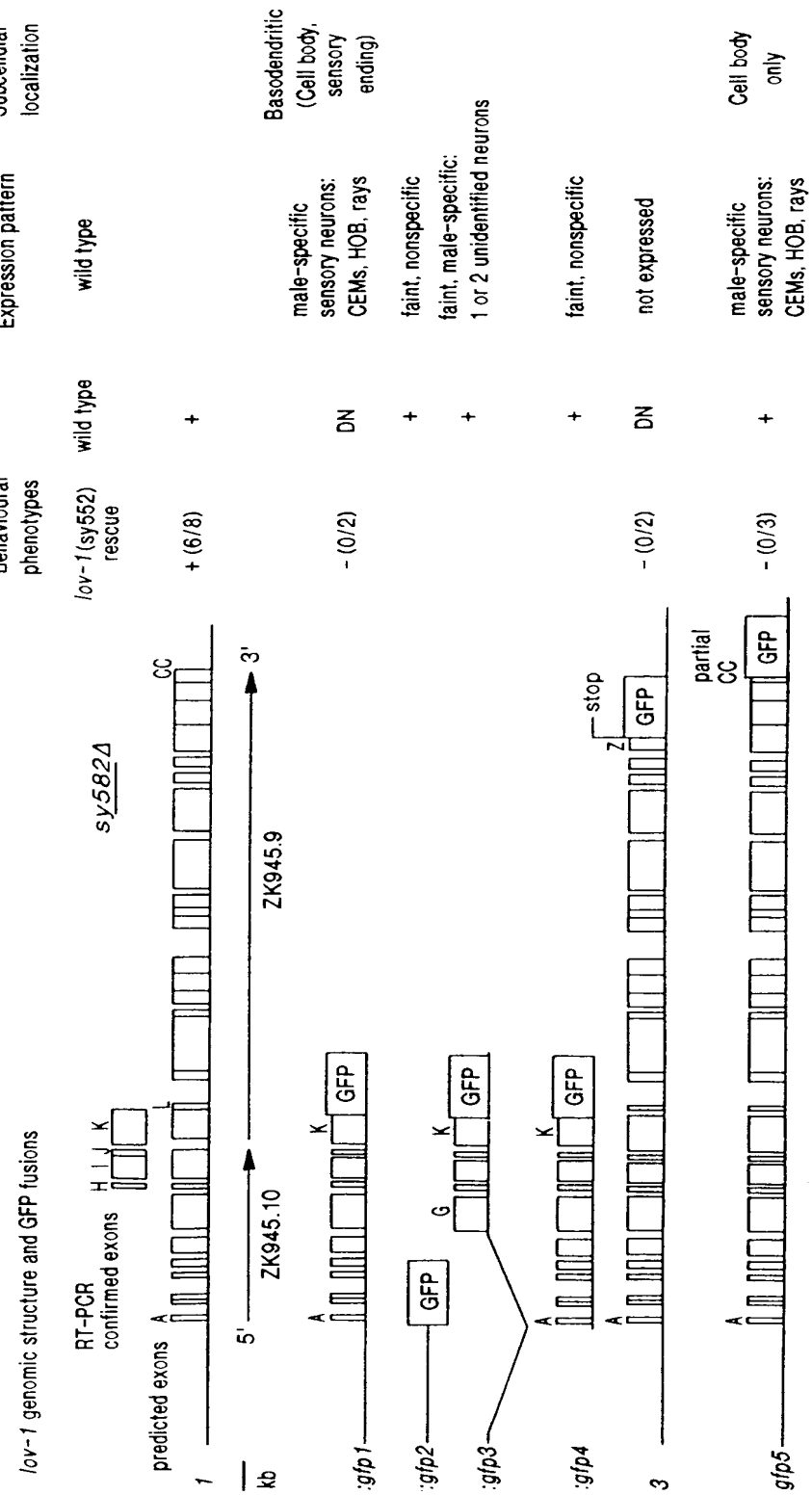

FIG. 3A

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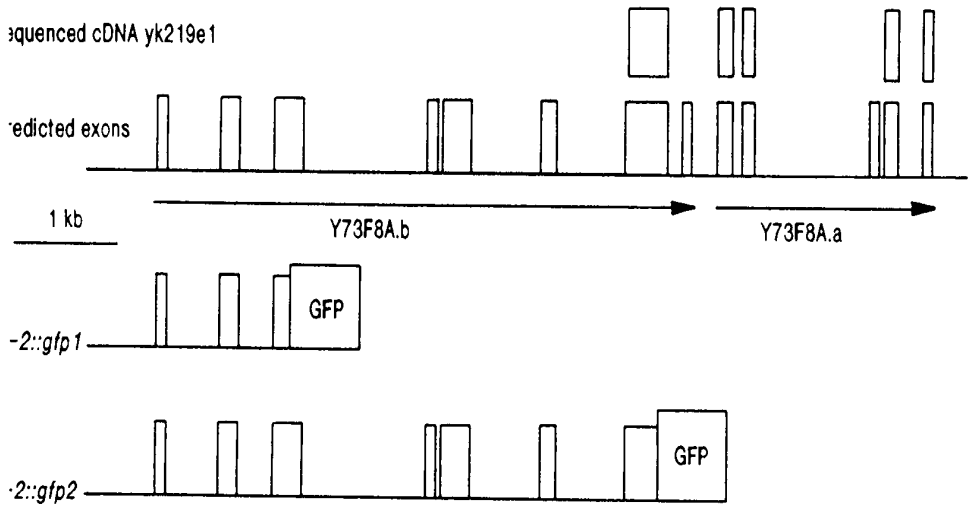

	Behavioural phenotypes		Expression pattern	Subcellular localization
	lov-1 (sy552) rescue	wild type	wild type	
-2::gfp1	-	+	male-specific sensory neurons: CEMs, HOB, rays nonspecific, ring neurons (weak)	Uniform (cell body, axon, dendrite)
-2::gfp2	-	+	male-specific sensory neurons: CEMs, HOB, rays	Basodendritic (Cell body, sensory ending)

FIG. 3B

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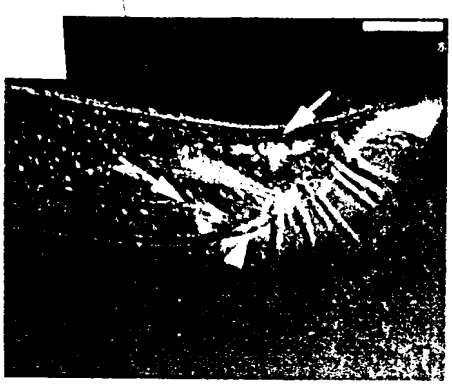

FIG. 4A

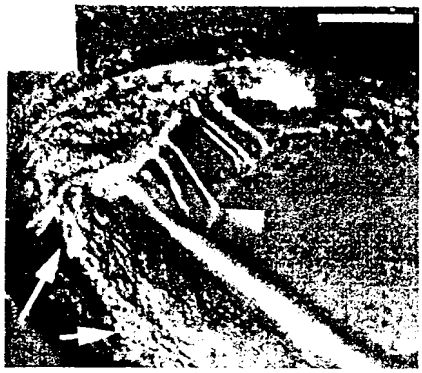

FIG. 4D

FIG. 4B

FIG. 4E

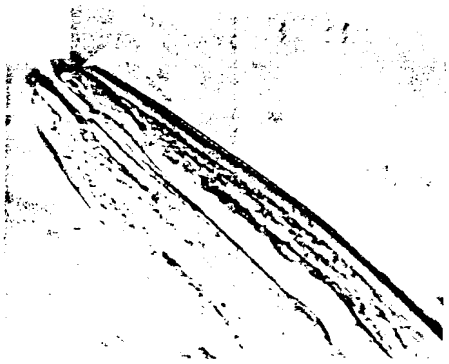

FIG. 4C

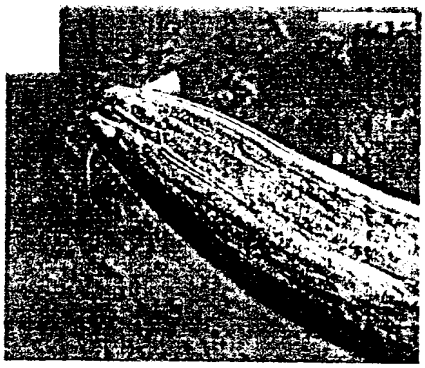

FIG. 4F